

Title (en)

Mobile communication system and method for transmitting PDCP status report thereof

Title (de)

Mobiles Kommunikationssystem und Verfahren zur Übertragung des PDCP-Statusberichts dafür

Title (fr)

Système de communication mobile et procédé de transmission de rapport d'état PDCP associé

Publication

**EP 2086272 A1 20090805 (EN)**

Application

**EP 09001423 A 20090202**

Priority

- US 2531108 P 20080201
- KR 20090007574 A 20090130

Abstract (en)

A mobile communication system, and method for transmitting a PDCP status report thereof capable of preventing the occurrence of data loss when reestablishing an RLC. When an RLC re-establishment occurs due to an RLC internal error, a receiving PDCP entity triggers a status report to transmit it to a transmitting PDCP entity even if PDCP entities are not replaced by others. The transmitting PDCP entity checks whether a received state of each PDCP SDU based on the triggered PDCP status report, and then re-transmits PDCP SDUs having not successfully received by the receiving PDCP entity.

IPC 8 full level

**H04W 72/02** (2009.01)

CPC (source: EP US)

**H04L 1/1614** (2013.01 - EP US); **H04L 1/1829** (2013.01 - EP US); **H04W 76/19** (2018.01 - EP US); **H04W 80/02** (2013.01 - EP US)

Citation (search report)

- [X] EP 1361706 A2 20031112 - ASUSTEK COMP INC [TW]
- [A] EP 1353481 A2 20031015 - LG ELECTRONICS INC [KR]
- [A] EP 1788751 A1 20070523 - HIGH TECH COMP CORP [TW]
- [A] EP 1871137 A2 20071226 - INNOVATIVE SONIC LTD [VG]
- [T] NTT DOCOMO: "PDCP action and RLC re-establishment", 3GPP TSG-RAN WG #63, R2-084487, 18 August 2008 (2008-08-18), pages 1 - 6, XP002523462, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg\_ran/WG2\_RL2/TSGR2\_63/Docs/> [retrieved on 20090414]

Citation (examination)

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Cited by

EP2928232A4; CN114501686A; US11290214B2; EP3592101A4; WO2012097692A1; WO2019245443A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2086272 A1 20090805**; US 2009207739 A1 20090820; WO 2009096748 A2 20090806; WO 2009096748 A3 20091001

DOCDB simple family (application)

**EP 09001423 A 20090202**; KR 2009000481 W 20090130; US 36315509 A 20090130